

1635
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

REBECCA E. CAHOON ET AL.

CASE NO.: BB1085 US NA

APPLICATION NO.: 09/417,251

GROUP ART UNIT: 1635

FILED: OCTOBER 13, 1999

EXAMINER: JANE J. ZARA

CONFIRMATION NO.: 7181

FOR: PLANT PROTEIN DISULFIDE ISOMERASES

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RESPONSE UNDER 37 C.F.R. § 1.111

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

This is a Response to the Office Action mailed April 19, 2002. A Petition for Extension of Time for three (3) months up to and including October 19, 2002 is filed simultaneously herewith. Please consider the following remarks:

REMARKS

Claims 16-20, 22-30, and 36-38 are pending in the instant application.

Withdrawn Rejections:

Applicants appreciate and acknowledge the Examiner's withdrawal of rejection of claims 19, 20 and 35 under 35 U.S.C. § 112, first paragraph.

Maintained Rejections:

The Examiner maintains that claims 16-18, 22-30 and 36-38 are rejected under 35 U.S.C. § 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventors, at the time the application was filed, had possession of the claimed invention, for the reasons set forth in the Office Action mailed June 29, 2001, Paper No. 10. Applicants continue to respectfully traverse this rejection.

Submitted herewith, as Appendix A, is a table setting forth the results of CLUSTAL IV alignment between sequences well known to those skilled in the art to actually possess protein disulfide isomerase (PDI) activity and SEQ ID NO:10 of the instant invention. This alignment can be found on pages 2-3 of Appendix A (identical